

Product datasheet for RC237601

TMPRSS5 (NM_001288749) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMPRSS5 (NM_001288749) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMPRSS5
Synonyms: SPINESIN
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237601 representing NM_001288749
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGACGTGGCTGTGCAGTGTGGGAGCCCTGGGGCTGTGGCCGGTGCAGGTGTTGGCTCATGGCTCC
TAGTGTGTATCTGTGTCTCTGCCTCTCAGCCATTTCCGGGACCTTGCAGGATGAGGAGATAACTTT
GAGCTGCTCAGAGGCCAGCGCTGAGGAAGCTCTGCTCCCTGCACCTCCAAAACAGTATCTTTCAGAATA
AACAGCGAAGACTTCTTGCTGGAAGCGCAAGTGAGGGATCAGCCACGCTGGCTCCTGGTCTGCCATGAGG
GCTGGAGCCCCGCCCTGGGGCTGCAGATCTGCTGGAGCCTTGGGCATCTCAGACTCACTACCACAAGGG
AGTAAACCTCACTGACATCAAACCTCAACAGTTCACAGGATTTGCTCAGCTCTCTCTAGACTGGGAGGC
TTCCTGGAGGAGGCGTGGCAGCCAGTTTCAGGCTGGCCCGCCTGTCCAGCTGGCGGGTTCATGCGGGGC
TGGTCAGCCACAGTGCCGTGAGGCCACCAAGGGGCTCTGGTGGAGAGGATTATCCACACCCCTCTA
CAGTGCCAGAAATCATGACTACGACGTCGCCCTCCTGAGGCTCCAGACCGCTCTCAACTTCTCAGACACT
GTGGGCGCTGTGTGCTGCGGCCAAGGAACAGCATTTCCGAAGGGCTCGCGGTGCTGGGTGTCTGGCT
GGGGCCACACCACCTAGCCATACTTACAGCTCGGATATGCTCCAGGACACGGTGGTCCCTTGTTCAG
CACTCAGCTCTGCAACAGCTCTTGCGTGTACAGCGGAGCCCTCACCCCGCATGCTTTGCGCTGGCTAC
CTGGACGGAAGGGCTGATGCATGCCAGGAGATAGCGGGGGCCCTAGTGTGCCAGATGGGGACACAT
GGCGCCTAGTGGGGTGGTCACTGGGGCGTGGCTGCGCAGAGCCCAATCACCCAGGTGTCTACGCCAA
GGTAGCTGAGTTTCTGGACTGGATCCATGACACTGCTCAGGACTCCCTCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237601 representing NM_001288749
 Red=Cloning site Green=Tags(s)

MRRGCAVLGALGLLAGAGVGSWLLVLYLCPAASQPI SGT LQDEEITLSCSEASAE EALLPALPKTVSFRI
 NSEDFLLAQVRDQPRWLLVCHEGWSPALGLQICWSLGHRLTHHKGVNLDIKLNSSQEF AQLSPRLGG
 FLEEAWQPSFRLARLSSWRVHAGLVSHSAVRPHQ GALVERIIPHLYSAQNHDYDVALLR LQTALNFSDT
 VGAVCLPAKEQHFPKGSRCWVSGWGHTPSHTYSSDMLQDTVVPLFSTQLCNSSCVYSGALTPRMLCAGY
 LDGRADACQGD SGGPLVCPDGDWRLVGVVSWGRGCAEPNHPGVYAKVAEFLDWIHDTAQD SLL

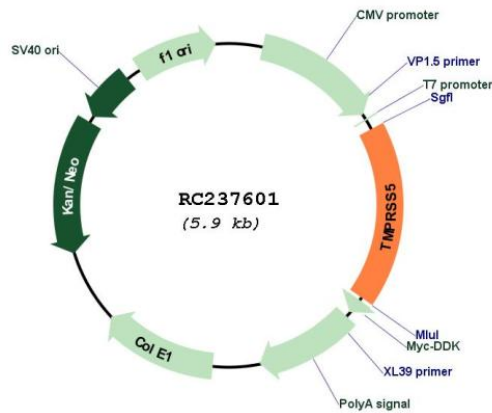
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001288749

ORF Size: 1032 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001288749.2
RefSeq Size:	1950 bp
RefSeq ORF:	1035 bp
Locus ID:	80975
UniProt ID:	Q9H3S3
Cytogenetics:	11q23.2
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	37.9 kDa
Gene Summary:	This gene encodes a protein that belongs to the serine protease family. Serine proteases are known to be involved in many physiological and pathological processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]